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010233121 \*\*Image available\*\* WPI Acc No: 1995-134378/199518

XRAM Acc No: C95-061866 XRPX Acc No: N95-105722

**Fuel electrode prodn for high temp fuel cell - by laser fusion spraying metal on stabilised zircon A in inert gas**

Patent Assignee: AGENCY OF IND SCI & TECHNOLOGY (AGEN )

Number of Countries: 001 Number of Patents: 002

**Patent Family:**

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| JP 7057739 | A    | 19950303 | JP 93216999 | A    | 19930809 | 199518 B |
| JP 2810973 | B2   | 19981015 | JP 93216999 | A    | 19930809 | 199846   |

Priority Applications (No Type Date): JP 93216999 A 19930809

**Patent Details:**

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
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| JP 7057739 | A | 4 |  | H01M-004/88 |  |
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| JP 2810973 | B2 | 5 |  | H01M-004/88 | Previous Publ. patent JP 7057739 |
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**Abstract (Basic): JP 7057739 A**

Electrode forming metal is laser fusion sprayed on the surface of a solid state electrolyte made of stabilised zirconia in an inert gas atmos. to form an electrode covering film.

ADVANTAGE - Method produces homogeneous and thin porous metal covering film having improved and durable heat stability and adhesiveness.

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Title Terms: FUEL; ELECTRODE; PRODUCE; HIGH; TEMPERATURE; FUEL; CELL; LASER ; FUSE; SPRAY; METAL; STABILISED; ZIRCON; INERT; GAS

Derwent Class: L03; M13; X16

International Patent Class (Main): H01M-004/88

International Patent Class (Additional): C23C-004/08; C23C-004/12;

C23C-014/48; H01M-004/86; H01M-008/02; H01M-008/12

File Segment: CPI; EPI

Manual Codes (CPI/A-N): L03-E04B; M13-C

Manual Codes (EPI/S-X): X16-E06A

Derwent Registry Numbers: 1521-U